

WHAT IS CLAIMED IS:

1. A projector for projecting a picture on a surface to be projected, comprising:

a projector main body;

a lens unit for projecting a picture;

5 a cylindrical focus ring inserted along a direction in which an optical axis of said lens unit extends, attached in such a manner as to surround an outer periphery of said lens unit in a circumferential direction, and molded with resin;

10 a first rib, provided on the outer periphery of said lens unit, extending along a direction in which said optical axis extends and a second rib, brought into contact with one end of said first rib, extending along a direction approximately orthogonal to said first rib so as to have one side and the other side; and

15 a pair of protrusion parts provided on an inner periphery of said cylindrical focus ring, and arranged with a spacing in a direction approximately orthogonal to the direction in which said optical axis extends, wherein

20 said first rib is sandwiched between said pair of protrusion parts in the circumferential direction and, also, said second rib is engaged with said pair of protrusion parts along said optical axis, whereby said focus ring is fixed to said lens unit.

2. A projector for projecting a picture on a surface to be projected, comprising:

a lens unit for projecting a picture; and

5 a cylindrical focus ring inserted along a direction in which an optical axis of said lens unit extends, and attached in such a manner as to surround an outer periphery of said lens unit in a circumferential direction, wherein

one portion of one of said focus ring and said lens unit is sandwiched between another portions of one of said focus ring and said lens unit and,

10 also, said one portion is engaged with said another portions along said optical axis, whereby said focus ring is fixed to said lens unit.

3. The projector according to claim 2, wherein
a first rib extending along the direction said optical axis extends and
a second rib, brought into contact with one end of said first rib, extending
along a direction approximately orthogonal to said first rib so as to have
5 one side and the other side are formed on said one portion, and
a pair of protrusion parts arranged with a spacing in a direction
approximately orthogonal to the direction in which said optical axis extends
is formed on said another portions.

4. The projector according to claim 3, wherein
said pair of protrusion parts is formed in the shape of approximately
arc along said optical axis.

5. The projector according to claim 2, wherein
said focus ring is molded with resin.

6. The projector according to claim 5, wherein
said resin is heat-resistant.